

March 2015 MSKTC Headlines

=====Spinal Cord Injury (SCI)=====

Resource Highlight: *Bowel Function after Spinal Cord Injury*

The [MSKTC](#) has posted the new factsheet, *Bowel Function after Spinal Cord Injury*. This factsheet was developed by Gianna M. Rodriguez, M.D., investigator of the [University of Michigan Spinal Cord Injury Model System \(U-M SCIMS\)](#) in collaboration with the MSKTC. The factsheet is designed to be a starting point for understanding the functions of the spinal cord and how those functions may change after injury. The factsheet is available on the MSKTC website and may be reproduced and distributed freely with appropriate attribution. Read more [here](#).

Model Systems Work Published in the *JAMA Psychiatry*

Researchers at the [Northwest Regional Spinal Cord Injury System \(NWRSCIS\)](#) and five other sites including the [University of Alabama at Birmingham Spinal Cord Injury Model System \(UAB-SCIMS\)](#), [South Florida Spinal Cord Injury Model System \(SFSCIMS\)](#), [University of Michigan Spinal Cord Injury Model System \(U-M SCIMS\)](#), Baylor University Medical Center (Dallas), and the [Midwest Regional Spinal Cord Injury Care System \(MRSCICS\)](#) collaborated on *Venlafaxine extended-release for depression following spinal cord injury: a randomized clinical trial* published in the *JAMA Psychiatry*. This study determines the efficacy and tolerability of venlafaxine hydrochloride extended-release (XR) for major depressive disorder (MDD) or dysthymic disorder in persons with chronic SCI. Access the abstract [here](#).

Model System Researcher Presents at the 2015 American Physical Therapy Meeting

[T. George Hornby, PhD, PT](#), research scientist of the [Midwest Regional Spinal Cord Injury Care System \(MRSCICS\)](#), presented on the following topics at the American Physical Therapy Association (APTA) 2015 Combined Sections Meeting in Indianapolis, February 4-7: *Reflex contributions to enhanced muscle activity during eccentric contractions in individuals with motor incomplete SCI*. (contributors: Hyosub Kim, Daniel Corcos, T. George Hornby) *Alterations in serum BDNF concentrations with graded intensity exercise in individuals with incomplete SCI*. (contributors: Kristan Leech, T. George Hornby) Dr. Hornby also contributed to the education session: *Walking the walk: Translating research evidence into clinical practice*. (contributors: T. George Hornby, Pat Hennessy, Jenni Moore, Carey Holleran)

=====Traumatic Brain Injury (TBI)=====

Resource Highlight: *Traumatic Brain Injury and Depression Hot Topic Module*

The [MSKTC](#) recently released the hot topic module, *Traumatic Brain Injury and Depression*. The module includes videos, a fact sheet, slideshow, and research review that explore living with depression. It also links to related resources on related issues, such as emotional problems and fatigue after TBI. The featured video and brief video clips share information about why people

experience depression after TBI, how it can impact daily living, and different treatment options. Access the hot topic module [here](#).

Model Systems Researcher to Lead Live “Ask Me Anything” Chat on Reddit

The [MSKTC](#) invites you to join [Dr. Jesse Fann](#) for a live chat about challenges and treatment options associated with depression after TBI. Dr. Fann is a researcher with the [University of Washington Traumatic Brain Injury Model System \(UWTBI\)](#) and contributor to the [Traumatic Brain Injury and Depression](#) video. This discussion will occur on April 3, 2015 from 2:00 pm to 3:00 pm Eastern Time/11:00 am to 12:00 pm Pacific Time on Reddit. For more information visit the [MSKTC Web site](#).

Call for Nominations of Papers for the 2014 Rosenthal Award

Nominations for the 2014 Rosenthal Awards are now being accepted. The Rosenthal Award honors Dr. Mitchell Rosenthal by calling attention to his significant contribution to the TBI Model Systems National Database. The rules for nominating are as follows:

- Formally published: papers in hardcopy journals are considered only if published in the journal in calendar year 2014; papers published in electronic journals are considered if they were posted in 2013. Preprints in whatever format posted online by hardcopy journals in 2014 (accepted authors' copy, PAP, etc.), but awaiting publication in 2015 or later, are NOT eligible.
- Peer reviewed: only peer-reviewed papers published in peer-reviewed journals are considered.
- TBI database: papers with data (e.g. from modules, collaborative research) that supplement the database information will be considered, but each paper should use at least some national database (i.e. form I and/or form II) data.
- 2+ systems: the data from the national database used should be from at least two model systems

Papers may be authored by one or more current or former members of our TBI Model Systems or by external researchers who received data base information for a specific analysis of interest. Self-nominations are welcome. Please send citations for papers authored by you and your staff to [Dr. Marcel Dijkers](#) from [New York Traumatic Brain Injury Model System \(NYTBIMS\)](#) by April 11, 2015.

Model Systems Researcher to Present the Rosenthal Memorial Lecture

[David Arciniegas, M.D.](#), medical director of the [Texas Traumatic Brain Injury Model System of TIRR](#), has accepted the invitation to present the Rosenthal Memorial Lecture at the Williamsburg Brain Injury Conference in April. Each year, the Williamsburg brain injury conference planning committee honors the memory of a great leader and innovator, Mitchell Rosenthal, by selecting a highly distinguished clinical researcher to give the conference opening keynote lecture. In his presentation, *Cognition and Cholinergic Function after TBI: Lessons in TBI Neuroscience*, Dr. Arciniegas will describe the relationship between cognition and cholinergic dysfunction after

TBI, review cerebral cholinergic systems, and translate knowledge of cognition and cholinergic function to the study and care of persons with TBI. Learn more about the conference [here](#).

=====Burn=====

Resource Highlight: *Influence of Inhalation Injury on Energy Expenditure in Severely Burned Children* Quick Review of Research

The MSKTC has a resource that summarizes how inhalation injury affects metabolic rate in children with burn injury. Access the resource [here](#).

Work of Burn Model System Researchers Published in *Journal of Burn Care and Research*

Researchers and collaborators from the [Boston-Harvard Burn Injury Model System \(BH-BIMS\)](#) co-authored the recently published manuscript, *Recovery Trajectories after Burn Injury in Young Adults: Does Burn Size Matter?* The publication appears in the *Journal of Burn Care and Research* and explores the association of burn size with the trajectories of long-term functional outcomes in burned adults ages 19-30. Data were gathered from a prospective multi-center study which included burned adults ages 19 to 30 years who completed the Young Adult Burn Outcome Questionnaire across five burn centers between 2003 and 2008, along with a group of age-matched control subjects without burns. Understanding multidimensional recovery from burns in young adults can have important implications for patient monitoring and informing clinical care. Access the abstract [here](#).

Model System Researcher Presents in a Webcast

[Nicole Gibran, MD, FACS](#), director of the [Northwest Regional Burn Model System Center \(NWRBMS\)](#) presented in a webcast hosted by the Center on Knowledge Translation for Disability and Rehabilitation Research (KTDRR). The webcast, *Returning to Work After Burn Injury: From Research to Vocational Rehabilitation (VR) Practice* was held on March 11, 2015. Presenters discussed how research about employment after burn injury can support VR practice, and how practice guidelines can be useful in supporting VR practitioners in working with clients with burn injuries. Access the resource [here](#).

Upcoming Events

- | | |
|--------------|------------------------------------------------------------------|
| Apr 15-17 | 39th Annual Williamsburg TBI Conference |
| Apr 21-24 | ABA 47th Annual Meeting |
| Apr 29-May 2 | 2015 NABIS Conference on Brain Injury |
| Apr 30-May 1 | 37th Annual NARRTC Conference |
| May 4-5 | 27th Annual Wisconsin Conference on Brain Injury |
| May 14-16 | ISCoS and ASIA Joint Scientific Meeting |

